

duration extension/contraction tendency detecting means.

5. The quality control device of Claim 1, further comprising:

increase/decrease tendency detecting means for detecting an increase and decrease tendency of a frequency in which a large and small relationship between voice power on a voice reception path and voice power on a voice transmission path changes the per unit time by detecting voice power for a voice signal on the voice reception path corresponding to a transmission direction of a voice packet that constitutes the queue and a voice signal on the voice transmission path opposite to the direction where a voice is received;

threshold managing means for managing an upper limit threshold set at least on an upper limit side with respect to a length of the queue; and

second upper limit threshold changing means for changing an upper limit threshold in accordance with an increase and decrease tendency detected by the increase/decrease tendency detecting means.

6. The quality control device of Claim 1, further comprising:

lower limit threshold managing means for managing a lower limit threshold set on a lower limit side with respect to a length of the queue; and

queue length/lower limit monitoring means for monitoring a relationship between a length of the queue and

a lower limit threshold;

wherein the queue operating means includes lower limit correspondence insertion operating portion for inserting a complementary voice packet that contains predetermined voice information so as to be dispersed onto the queue when the queue length/lower limit monitoring means detects that the queue is shorter than the lower limit threshold.